

Abstract

An optoelectronic device that provides isolation between a resonant reflector and an adjacent conducting layer of the optoelectronic device. Isolation may be accomplished by providing a buffer or cladding layer between the resonant reflector and the adjacent  
5 conducting layer of the optoelectronic device. The cladding or buffer layer is preferably sufficiently thick, or has a sufficiently low refractive index relative to the refractive index of the waveguide of the resonant reflector, to substantially prevent energy in the evanescent tail of the guided mode in the waveguide from entering the adjacent conductive layer of the optoelectronic device.

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